UREMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

BR-319/30-8-14

No. B

249231

Serial No. 1st and final Bill

Name of Work 2mp o.d Asphalting BEL Layout From To o/d mtg Layout Balaji Roofing Wand no.09 of Vidyaranyapura Sub-Division

Name of Contractor of nature of Agency

Date of commencement of work 30/08/2014 D.O. Recorded: 2

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost : Rs 14.00 Lakh.						
	NB.no : 009-14-000057.						
	Work order no : EE/Bng/BBMP/KRID2/20/34/2014-15 Dt. 03.07.2014						
	(1) Earthwork Excavation by manual means in ordinary soil including an average horizontal throw upto 2mts and an average lift upto 0.3mts, Excavated surface levelled and sides neatly dressed, the disposed Earth						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to be velleted neatly after breaking clods etc complete as per specifications and directions of Engineer-in-charge of work.						
			Qty vide	MB. No. 1952. P 19518/1			
			H. ①	= 450.40 y³ @ 90.72/y³		40860=29	
29	Removing of B.d. debris and stacking etc complete as per specifications and directions of Engineer-in-Charge of work						
			Qty vide	MB. No. 1952. P. 19518/2			
			H ②	= 742.50 y² @ 50.11/y²		37206=68	

M. A. R. 5
Measur

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	(3) Refilling of stone debris etc complete as per specifications in charge of work.	
	(4) Excavating stone metal with pick axes along with	

...ENT BOOK

...mensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...c-ing clods etc complete			
...of Engineer-in-charge			
MB. No. 1952 p 19518/1			
450.40 y^3 @ 90.72/y^3			40860=29
and stacking etc complete			
...ns of Engineer-in-			
... MB. No. 1952 p. 19518 2			
742.50 y^2 @ 50.11/y^3			37206=68

M. A. R. 57 (Rule 116)
Measurement Book

No. B 249232

Serial No. ....

Name of Work .... From.................................. To.......................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Refixing of stone along drains and pointing in CM 1:3 etc complete as per specifications and directions of Engineer in charge of work.						
			Qty as per St no. (2).				
					= 742.50 y^3 @		52004=70
						70.04/y^3	
(4)	Recompacting stone metal crust 50mm to 100mm thick with pick axes along with premix carpet surface						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	dressing and stacking old serviceable materials with a lead of 100mts by manual means including cost of all labour & charges etc complete as per specifications and directions of Engineer-in-charge of work.						
						Qty vide MB No. 1952	
						P. 195 182 Item (3) = 2685.00 x 40.50	108742.50
(5)	Providing, laying, spreading, and compacting graded stone aggregate to wet mix macadam specifications including providing the material with water at stone mechanical mix plant carriage of mixed material						

M. A. R. 5
Measure

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	L
1	2	3	
	by tipper to site, laying in un... sub-base / base course on ... Compacting with vibratory Roller... density all complete as per Engineering-charge of Work		
(6)	Cleaning the existing WBM		

ENT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
			ncrete materials d means including mplete as per specification ge of work. ide MB no. 1952 ③ = 2685.00 x 40.50 = 108742.50 compacting graded macadam specification with water at one ge of mixed material.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249233

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory Roller to achieve the desired density all complete as per specifications & directions of Engineer-in-charge of work Qty as per MB-1952 P.195/83 at no ④ = 402.75 x 3 = 1124.04 m³					431498.86	
(b)	Cleaning the existing WBM Road surface including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	removing of binding materials and other foreign matters with wire brushes and small picks, sweeping with broom & coir dash brushes and finally dusting with old gunny bag and/or compressed air to receive bitumen treatment including costing all materials, labour, use of machineries, cutting & complete as per specifications and directions of Engineer-in-charge of work.						
	Qty as per M.B no. ④ = 2685.00 m²						
	@ ₹0.53/m²						28273.00
⑦	providing and applying primer coat with bitumen						

M. A. R. 57
Measure

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Le
1	2	3	
	Emulsion as prepared during clearing of Road surface at rate of 0.60 kg/m² using mec as per specifications and charges of work.		
⑧	Providing and laying semi-		

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
thes freeze melts sweeping with dusting with to receive bitumen mats, labour, tools ns specifications of work. No. ④ = 2685.00 m² @ 10.53/m²			28273.200
With bitumen			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249234

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Emulsion on prepared surface of granular base including clearing of Road surface and spraying primer at the rate of 0.60 kg/m² using mechanical means complete as per specifications and directions of Engineer-in-charge Work.					By as per Item no. ⑦ 2685.00 m² @ 44.28/m²	118891.80
⑧	Providing and laying semi-dense bituminous concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	25mm thick BM 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mineral filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade level and alignment, Rolling with smooth wheeled, vibratory and tandem Rollers to achieve the desired Compaction as per MoRTH specifications Clause no. 500.8 Complete in all respects as per specifications with PG 70/10 grade bitumen, etc complete as per specifications and						

M. A. R. 5
Measur

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	directions of Engineer - in - (a) 10th CRoad 12th ~~main~~ Road	1 1 1 1 1 1

Checked
20/11

OK

Depth 6	Contents 7	Reference to last Measurement 8
mp producing		
y crushed		
with bituminous		
stone the hob		
over finisher		
ade level		
, Vibrating		
mpacting		
0.8 Complete		
n bolting		
d entry road		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249235

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	directions of Engineer-in-charge of the Work.						
	(a) 10th CROSS 12th ~~main~~ ROAD						
		1	30.00	$\frac{8.2+6.8}{2}$	Avg 0.025 =	5.63	
		1	30.00	$\frac{6.8+6.6}{2}$	0.025 =	5.03	
		1	30.00	$\frac{6.6+6.3}{2}$	0.025 =	4.84	
		1	30.00	$\frac{6.3+6.4}{2}$	0.025 =	4.76	
		1	30.00	$\frac{6.4+6.6}{2}$	0.025 =	4.65	
		1	30.00	$\frac{6.0+6.6}{2}$	0.025 =	4.73	

Checked.
20/11

RC

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{6.6+10.2}{2}$	0.025	= 6.30	
	(b) 13th main Road	1	~~30~~.00	$\frac{10.2+6.1}{2}$	0.025	= 6.11	
		1	30.00	$\frac{6.1+6.0}{2}$	0.025	= 4.54	
	(c) NIE Layout - 3rd cross	1	30.00	$\frac{6.0+6.9}{2}$	0.025	= 4.84	
	(0.00 to 135 mts)	1	30.00	$\frac{6.9+6.1}{2}$	0.025	= 4.88	
		1	30.00	$\frac{6.1+6.0}{2}$	0.025	= 4.54	
		1	30.00	$\frac{6.0+6.7}{2}$	0.025	= 4.76	
		1	15.00	$\frac{6.7+6.1}{2}$	0.025	= 1.60	
						67.19 m³	64.559 m³

e 963.244/4³ Ltd to 67.134 m³

CBFC

M. A. R.
Measu

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	9) Lead for Disposal of debr... carriage rates by mechanic... and unloading at complete... of Engineer-in-charge of wo...	

BOOK

s dth	Depth 6	Contents 7	Reference to last Measurement 8
10.2/2	0.025	6.30	
6.1/2	0.025	6.11	
	0.025	4.54	
	0.025	4.84	
2	0.025	4.88	
	0.025	4.54	
2	0.025	4.76	
	0.025	1.60	
		67.19 m³	64,655.40

Add 67.134 m³

CBFC

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

219236

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	9) Lead for Disposal of debris shall be payable as carriage rates by mechanical means including loading and unloading the complete as per specifications & directions of Engineer-in-charge work.						
	Qty as per Item (1)					427.88 m³	31,111.60
						@ 72.71/m³	
						Total	15,15,744.60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Add KRIDL. charges @ 11%.	-	-				1,66,666.00
	Add 3rd party Road inspection charges @ 1%.						15,151.00
						Total Rs	16,96,966.00

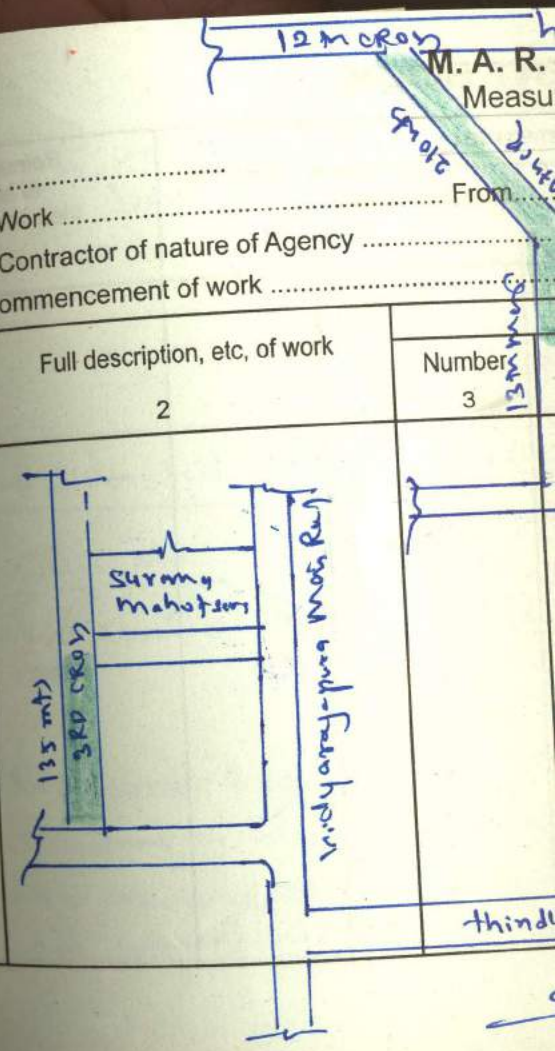
Certificate

(1) certified that the contractor has work done satisfactorily.

(2) The contractor has removed the debris from work site

(3) there is no any dept materials issued to contractor.

d-2



ENT BOOK

Dimensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8
-	-			1,66,666.00
Charges etc.				15,154.00
Total Rs				16,96,966.00
...tion has work done				
...ved the debris from				
...tenials issued to				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249237

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	12 m CROW; 210 m; 10 m; 13 m; 5 m; 135 m; 3RD CROW; Swamy Mahotsavam; Vinayagapuram Main Road; Water tank Road (Windmill Road); 13 m; CROW; 13 m; thindlu vinayagapuram Main Road; Asphalty with 25mm SDBC						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	168,808=00						
	2,43,963=00						
	1,43,845=00						
	Krishnaraja.Ex						
	Ex.						
			IT- 33636				
			VAT- 67272-				
			FSD- 100908-				
			SWC- 1688-				
			CSF- 1682-				
			ROY- 23647-				
			TOTAL- 243963=00				

M. A. R. 5
Measur

Serial No. ..... 1st and final Bill
Name of Work ..... Loop and Asphalting to H
Name of Contractor of nature of Agency ..... KRI
Date of commencement of work ..... D.O. Rec

Date	Full description, etc, of work	Number
1	2	3
	Estimated cost Rs	20.00
		009-
	JOB. no	
	Workorder no	88/13
(1)	Earthwork Excavation by m	
	including all average	horiz
	an average lift upto	0.30m
	and ordinarily dressed,	